

1st Summer School on QCD Spin Physics

The school will give a pedagogical introduction to the field and to the exciting research program underway at RHIC. It is intended for graduate students and beginning postdoctoral researchers in theory and experiment. Full and partial scholarships are available.

INVITED LECTURERS

Tom Blum, U. of Connecticut/RBRC
Markus Diehl, DESY
Xiangdong Ji, Maryland
William MacKay, BNL
Gerhard Mallot, CERN
Jianwei Qiu, Iowa State
Jacques Soffer, CPT Marseille
Davison Soper, Oregon
Harold Spinka, Argonne
Marco Stratmann, Regensburg
Christian Weiss, Regensburg

ORGANIZERS

Leslie Bland, BNL
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Stony Brook/RBRC
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Matthias Grosse-Perdekamp,
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Emlyn Hughes, Caltech
Elliot Leader, Imperial College
Naohito Saito, Kyoto
Laurence Trueman, BNL
Werner Vogelsang, BNL/RBRC
Scott Wissink, IUCF Indiana

TOPICS

Introduction to perturbative QCD
Introduction to spin in QCD
Theory of polarized pp collider physics
Polarized deeply-inelastic scattering
RHIC spin experiments
Nucleon form factors
Transverse spin
Polarized beams, polarimetry
Generalized parton distributions
Orbital angular momentum
Elastic scattering
Nonperturbative aspects of nucleon structure
Spin and new physics
Future of spin physics

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